

Product datasheet

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ARG55463 anti-Cyclophilin A antibody

Package: 100 μl Store at: -20°C

Summary

Product Description Rabbit Polyclonal antibody recognizes Cyclophilin A

Tested Reactivity Hu, Ms, Rat

Tested Application WB

Host Rabbit

Clonality Polyclonal

Isotype IgG

Target Name Cyclophilin A

Species Human

Immunogen Recombinant protein of Human PPIA

Conjugation Un-conjugated

Alternate Names CYPA; Cyclosporin A-binding protein; PPlase A; CYPH; Cyclophilin A; HEL-S-69p; EC 5.2.1.8; Rotamase A;

Peptidyl-prolyl cis-trans isomerase A

Application Instructions

Application table	Application	Dilution
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	NIH/3T3 and HeLa	
Observed Size	17 kDa	

Properties

Form Liquid

Purification Affinity purification with immunogen.

Buffer PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol

Preservative 0.02% Sodium azide

Stabilizer 50% Glycerol

Storage instruction For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol PPIA

Gene Full Name peptidylprolyl isomerase A (cyclophilin A)

Background This gene encodes a member of the peptidyl-prolyl cis-trans isomerase (PPlase) family. PPlases catalyze

the cis-trans isomerization of proline imidic peptide bonds in oligopeptides and accelerate the folding of proteins. The encoded protein is a cyclosporin binding-protein and may play a role in cyclosporin A-mediated immunosuppression. The protein can also interact with several HIV proteins, including p55 gag, Vpr, and capsid protein, and has been shown to be necessary for the formation of infectious HIV virions. Multiple pseudogenes that map to different chromosomes have been reported. [provided by RefSeq, Jul

20081

Function PPlases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide

bonds in oligopeptides. [UniProt]

Highlight Related products:

Cyclophilin A antibodies; Anti-Rabbit IgG secondary antibodies;

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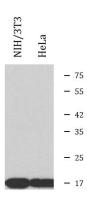
Research Area Calculated Mw Immune System antibody; Signaling Transduction antibody

18 kDa

PTM Acetylation at Lys-125 markedly inhibits catalysis of cis to trans isomerization and stabilizes cis rather than

trans forms of the HIV-1 capsid. PPIA acetylation also antagonizes the immunosuppressive effects of cyclosporine by inhibiting the sequential steps of cyclosporine binding and calcineurin inhibition.

Images



ARG55463 anti-Cyclophilin A antibody WB image

Western blot: NIH/3T3 and HeLa cell lysates stained with ARG55463 anti-Cyclophilin A antibody.